

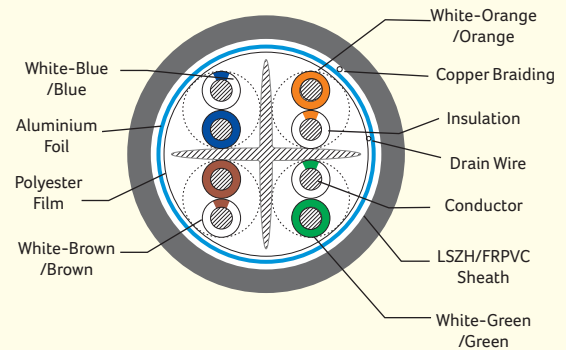


# STRUCTURED CABLING SYSTEMS

## DIGISOL Solid Cable, Cat6 SFTP, 4 Pair, 23AWG, Grey, 305m

### Introduction:-

DIGISOL Cat 6 4 Pair S/FTP Cable has been designed for Horizontal Cabling Networks for Transmission of High Speed Data, Digital and Analog, Voice and Video Signals on LANs. Tinned Copper Screening Gives Protection Against EMI, Avoid Signal Loss and Better Mechanical Properties of Cable. Individual Pair Shielding Provides Higher Protection Against Crosstalk. Supports Gigabit Ethernet (1000 Base-T) Standard Suitable for Noisy Environments, High EMI Inteference Surroundings and Complies to the Requirement of ANSI/TIA-568-C.2 and ISO/IEC 11801 ED. 2.0. Performance Verified Upto 250mhz. UL Listed and ETL Verified.



### Technical Specifications:-

#### Mechanical Properties:-

- Conductor : 23AWG Solid Bare Cable
- Central Element : PE Cross Separator
- Insulation : High Density Polyethylene Solid
- Pairs : 4 Pairs Twisted Together
- Shielding : Aluminium/Polyster Foil
- Overall Sheath : Tinned Copper Braiding
- Cable Diameter : 6.80 mm Nominal
- Rip cord : Yes
- Jacket : FRPVC/LSZH sheath
- Jacket Color : Light Grey
- Bending Radius : < 8X Cable Diameter at -20°C +/- 1°C
- Pulling Force : 25.35 LBS
- Operating Temperature Range : (-20°C to +70°C)
- Installation Temperature Range : (-20°C to +70°C)

#### Electrical Properties:-

- Conductor Resistance (For 100M) : 9.38OHM
- Mutual Capacitance (For 100M) : 5.6NF
- Resistance Unbalance (%) : Max 5
- Capacitance Unbalance (For 100M) : 330PF
- Delay Skew (For 100M) : 45NS
- Propagation Delay Skew (For 100M) : 536NS
- Current Rating : MAX 1.5A
- Operating Voltage : 72V
- Dielectric strength : 2.5 KVDC for 2 SECS

#### Color Code:-

- Pair Number : Color
- 1 - 2 : White-Orange Stripe and Orange
- 3 - 6 : White-Green Stripe and Green
- 4 - 5 : White-Blue Stripe and Blue
- 7 - 8 : White-Brown Stripe and Brown
- Flame Rating : Fmamability Tests- IEC 60332-1  
Acid Gas Emission Test- IEC 60754-1  
Smoke Density Test- ASTM 2843
- Packing : Reels of 305m Length
- Standards : UL Listed  
ETL Verified to ANSI/TIA-568-C.2  
ISO/IEC 11801 ED. 2.0



DIGISOL™

CAT6

# STRUCTURED CABLING SYSTEMS

## DIGISOL Solid Cable, Cat6 SFTP, 4 Pair, 23AWG, Grey, 305m

### Electrical Performance Parameters:-

Frequency MHz	Insertion Loss (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	ACR (dB)	PSACR
1	2.0	20.0	74.3	72.3	67.8	64.8	72.3	70.3
4	3.8	23.0	65.3	63.3	55.8	52.8	61.5	59.5
8	5.3	24.5	60.8	58.8	49.7	46.7	55.5	53.5
10	6.0	25.0	59.3	57.3	47.8	44.8	53.3	51.3
16	7.6	25.0	56.2	54.2	43.7	40.7	48.6	46.6
20	8.5	25.0	54.8	52.8	41.8	38.8	46.3	44.3
25	9.5	24.3	53.3	51.3	39.8	36.8	43.8	41.8
31.25	10.7	23.6	51.9	49.9	37.9	34.9	41.2	39.2
62.5	15.4	21.5	47.4	45.4	31.9	28.9	32.0	30.0
100	19.8	20.1	44.3	42.3	27.8	24.8	24.5	22.5
200	29.0	18.0	39.8	37.8	21.8	18.8	10.8	8.8
250	32.8	17.3	38.3	36.3	19.8	16.8	5.5	3.5



### Ordering Information:-

DGC-SC6SF4F-3GB  
DGC-SC6SF4L-3GB

DIGISOL Solid Cable, Cat6 SFTP, 4 Pair, 23AWG, FRPVC CM, Grey, 305m  
DIGISOL Solid Cable, Cat6 SFTP, 4 Pair, 23AWG, LSZH, Grey, 305m

DIGISOL SYSTEMS LIMITED  
Smartlink House,  
Plot No. 5, Bandra-Kurla  
Complex, Santacruz (East),  
Mumbai - 400 098.

1800-209-3444  
www.digisol.com  
helpdesk@digisol.com